

ABSTRACT OF THE DISCLOSURE

40059178-012900
Provided herein are combinations of equipment capable of providing the continuous fabrication of road surfaces and the like, by virtue of the continuous manufacture of the concretes used in making the road surface at their point of use. The invention also includes a process for fabricating a road surface or the like. By the present invention it is now possible to provide a greater quantity of road surface in a shorter amount of time as provided for in the prior art, wherein the road surface has a quick-cure time owing to the use of quick-setting cements. Such quickly laid roads are capable of handling loads of about 100,000 lbs. within about 2 hours of its being fabricated and laid in place.

Additionally, through use of the present invention the need for ready-mix trucks is eliminated. Further, consistency of concrete is enhanced by elimination of transporting batches of concrete from their production locations remote from the point of use, which use of different batches in the prior art has resulted in lot-to-lot variations in concrete quality. The present invention eliminates waste, cold joints and affords a high degree of the control of slump. The surface making process may be started and stopped at will without regard to incoming ready-mix as was a consideration in the prior art methods, longer production runs are possible, and the concrete surfaces produced have enhanced uniformity over the prior art. Production runs are limited only by the number of machines and time through use of the invention, and road repair/laying may be done in much shorter time over prior art methods, making the present invention uniquely attractive in night repair or construction of important roads frequently traveled by commuters during daylight hours.